| Index of Cl | aims |
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09/660,581

Examiner

Christopher L. Chin

Applicant(s)

SIMPSON ET AL.

Art Unit

1641

| <b>V</b> | Rejected |
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| =        | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| N | Non-Elected  |
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| I | Interference |

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|          |          |           | L | _            |              | -        | _            | ]        |  | _  | Щ  |    |
|----------|----------|-----------|---|--------------|--------------|----------|--------------|----------|--|--|--|----|
|          | aim      | 1         |   |              |              | <u>_</u> | at           |          |  |  |  | 7  |
| F-01     | 1        | ╁         | T | т-           |              | 꾸        | al           | e<br>T   | $\overline{}$                                    | Т-   |  | +  |
| <u></u>  | Original | 9/29/04   |   |              |              |          |              |          |  |  |  |    |
| Final    | į        | 29/       |   |              |              |          |              |          |  |  |  |    |
| _        | Ō        | 6         | ĺ | 1            |              |          |              |          |  |  | 1  |    |
|          | 1        | ╁         | ┢ | +            | ╁            | $^{+}$   | _            | -        | ╁  | +  | ╁  | 1  |
|          | 1 2 3    | =         | t | +            | $\top$       | +        |              | $\vdash$ | +  | +-   | +  | ┥. |
|          | 3        | =         | Г | T            | 1            | 1        | _            |          | T  | $\top$   | $\top$   | 1  |
|          | 4        | =         | Г | 1            | T            | 1        |              |          | T  | T-   |  |    |
|          | 5        | =         |   | 1            |              | T        |              |          |  |  | T  | 1  |
|          | 6        |           |   | Π            |              |          |              |          |  |  |  |    |
|          | 7        | <u> </u>  |   |              | L            | Ţ        |              |          |  |  |  |    |
|          | 8        |           | L | 1            | $\perp$      | 1        |              |          | L  | ┸  |  |    |
|          | 9        |           | L | 1_           |              | 4        |              | L        | L  | ┸  | 1  |    |
|          | 10       |           |   | 1            | $\perp$      | 1        |              | _        | <u> </u>   | _  | $\perp$  |    |
| ļ        | 11       | <u> </u>  | _ | $\bot$       | $\perp$      | 1        | _            | _        | $\perp$  | 4_   | ļ  |    |
|          | 12       | $\vdash$  |   | ┼            | $\perp$      | +        | _            | L.,      | ▙  | 4-   | +  |    |
| -        | 13       | -         | _ | 4            | ┼.           | +        | 4            |          | ┞  | ╀  | 1  | -  |
|          | 14       | ļ         | _ | +-           | ╁            | +        | -            |          | -  | ╀  | +  | 4  |
|          | 15<br>16 | $\vdash$  | _ | ╀            | ╁            | ╀        | -            | _        | ┝  | ╀  | ╂—   | -  |
|          | 17       |           |   | $\vdash$     | +            | 1        | -            | _        | -  | ╀  | 4  | ┨  |
| <u> </u> | 18       |           |   | ╁            | +            | +        | -            | _        | -  | +  | ╂  | -  |
|          | 18<br>19 |           |   | +-           | +            | ╁        | -            |          | $\vdash$   | ╁  | +  | 1  |
| <u> </u> | 20       |           |   | +            | +            | ╁        | ┪            |          | ┢  | +-   | ╁  | 1  |
|          | 21       |           | _ | †-           | ╁            | ╁        | $\dashv$     | -        | <del>                                     </del> | +  | +  | 1  |
|          | 22       |           | _ | 1            | 十            | +        | ┪            | _        |  | †  | ╁  | ┨  |
|          | 22<br>23 | П         |   | †~           | 1            | †        |              |          | _  | †-   |  |    |
|          | 24<br>25 |           |   |              | 1            | 1        | 7            |          |  |  |  | 1  |
|          | 25       |           |   |              |              | T        |              |          |  |  | 1-   |    |
|          | 26       |           |   |              |              |          |              |          |  |  |  | 1  |
|          | 27       |           | _ |              | L            | L        |              |          |  |  |  |    |
|          | 28       |           |   | L.           | <u> </u>     | ļ.,      |              |          |  |  |  |    |
|          | 29       |           |   | <u> </u>     | Ļ            | L        | 4            |          | _  | L  | L  |    |
|          | 30       | 4         |   | L            | _            | 1        | 4            |          |  | <u> </u>   | <u> </u>   |    |
|          | 31       | -         |   | ┡            | -            | ╀        | 4            |          | _  | <u> </u>   | ļ  |    |
|          | 32       |           |   | L            | -            | ┞        | 4            |          |  | <u> </u>   | _  | ļ  |
|          | 33       |           |   | ļ            | ⊢            | ╀        | $\dashv$     |          | _  |  | ļ  |    |
|          | 34<br>35 | -         |   | -            | -            | ∤-       | +            |          |  | <b> </b>   | ├-   |    |
|          | 36       | -         |   |              | ┢            | ╁        | +            |          |  |  | <b>-</b>   |    |
|          | 37       | -         |   |              | <del> </del> | ┝        | +            | _        |  | -  | -  | ł  |
|          | 38       | -+        |   | -            | $\vdash$     | ┢        | +            | -        |  |  | -  |    |
|          | 39       |           |   | <del> </del> |              | H        | +            |          |  |  | -  |    |
|          | 40       | _         |   | -            |              | ╁        | $^{\dagger}$ | -        |  |  | <del> </del>                                     |    |
|          | 41       | $\neg$    |   | -            | $\vdash$     | ┢        | $^{\dagger}$ | 7        |  | -  |  |    |
|          | 42       | $\dashv$  |   | -            | $\vdash$     | 1        | †            |          |  | $I^-$  | <del>                                     </del> |    |
|          | 43       | $\exists$ |   |              |              | T        | †            | 7        |  | <del>                                     </del> |  |    |
|          | 44       |           |   |              |              | Γ        | 1            |          |  | Γ  |  |    |
|          | 45       |           |   |              |              | Γ        | T            |          |  |  |  |    |
|          | 46       | $\Box$    |   |              |              |          | Ţ            |          |  |  |  |    |
|          | 47       | $\Box$    |   |              |              |          | I            | J        |  |  |  |    |
|          | 48       | [         |   |              |              | Ĺ        | I            |          |  |  |  |    |
|          | 49       |           |   |              |              | L        | $\perp$      | _[       |  |  |  |    |
|          | 50       | - 1       |   |              | _            | 1        | -1-          | - I      |  |  |  |    |

|           |          |              |          |          |          |          |          |          |          |          | _   |               |          |          |          |            |          |                 |          |          |                |           |
|-----------|----------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|-----|---------------|----------|----------|----------|------------|----------|-----------------|----------|----------|----------------|-----------|
| Cla       | aim      |              |          |          |          | Da       | te       |          |          |          |     | CI            | aim      | L        |          |            |          | Da              | te       |          |                |           |
| FIDal     | Original | 9/29/04      |          |          |          |          |          |          |          |          |     | Final         | Original |          |          |            |          |                 |          |          |                |           |
|           | 1        | =            | -        | $\vdash$ | ╁        | +        |          | $\vdash$ | $\vdash$ | ╁        | 1   | -             | 51       | <b>-</b> | _        |            | ╁        | +               | +        | -        | ╁              | -         |
|           | 2        | =            |          |          |          | T        | $\vdash$ |          | 1-       | T        | 1   |               | 52       | !        | _        | 1          | T        | +               |          | +        | +              | +-        |
|           | 3        | =            | -        | $\vdash$ | +        | +        | +-       | +        | ╁        | ╁        | 1   | -             | 53       |          |          | -          | +        | +               | ╫        | +        | $\vdash$       | ┿         |
| _         | 4        | =            |          | ╁╌       | +        | ╁╴       | +        | ╁        | +-       | +-       | ┨   |               | 54       | H        |          | ⊦−         |          | ╁               | ┼╴       | +        | ┼-             | ╄         |
|           | 5        | =            |          | -        | +        | +-       | +        | +-       | ╁        | ╁        | -   |               | 55       |          |          | ├          | ╀        | ╁               | +        | ┢        | ⊢              | ╁         |
|           | 6        | ┝            | -        | ┢        | +        | +-       | ╁╌       | ╁        | ╁        | ╁        | 1   |               | 55       | -        |          | ┢          | ╄        | +-              | +-       | ╀        | +              | ├-        |
| _         | 7        | <del> </del> | -        | ┢        | ╁        | +        | ╀        | ╁        | +-       | +        | 1   |               | 56       |          |          | <b>├</b> ─ | 1        |                 | +-       |          | Ļ.             | 1         |
|           | 8        |              | $\vdash$ |          | ╁        | +        | ┢        | ├        | ┿        | +-       | -   |               | 57       |          |          | <b>├</b>   | ₩        | +               | 1        | <b>↓</b> | ⊢              | ├         |
| _         | 9        | _            | ┝        | ├        | ╀        | +        | +        | -        |          | ┼        |     |               | 58       |          |          | <u> </u>   | -        | <b>.</b>        | 1        | ـــ      | $\vdash$       |           |
| -         |          |              | -        |          | -        | ╂        | $\vdash$ | ╁        | ╀        |          |     | ├—            | 59       |          |          | ļ          | <b>├</b> | 1               | ↓_       | <u> </u> | <del> </del> _ | -         |
| $\dashv$  | 10       | -            |          | -        | -        | ╁┈       | -        | -        | ╁        | ╁        | 4   |               | 60       | $\vdash$ |          | <u> </u>   | ┞        | ╄               | 1_       |          | <del> </del> _ | <u> </u>  |
|           | 11       | _            |          | ┢        | $\vdash$ | ╄-       | -        | ├-       | ┼        | -        | -   | ļ             | 61       |          |          | <u> </u>   | <u> </u> | 丨               | ╄        | <u> </u> | <u> </u>       |           |
| _         | 12       | _            |          | ├        | ├-       | +-       |          | ⊢        | ┼        | ⊢        |     |               | 62       |          |          | _          | ــ       | <u> </u>        | ↓_       | ╙        | <u> </u>       | _         |
| -         | 13       | _            | _        | <u> </u> | <u> </u> | ↓_       | ļ        | <u> </u> | <u> </u> | _        |     |               | 63       |          |          | _          | ļ        |                 |          |          |                | <u> </u>  |
|           | 14       |              | _        | -        | ⊢        | ┞        | <u> </u> | -        | <u> </u> | _        |     |               | 64       |          |          |            | ļ.,      | $oxed{igspace}$ | <u> </u> | L        |                |           |
| -         | 15       | _            |          | ļ        | ▙        | -        | ╙        | _        | ـــ      | <u> </u> | 1   |               | 65       | Ш        |          |            | _        |                 | <u> </u> | _        |                | L         |
|           | 16       |              |          | L.       | <u> </u> | _        | L        | <u> </u> | Ļ        |          |     |               | 66       |          |          |            |          | <u> </u>        |          | <u>L</u> |                |           |
|           | 17       | $\perp$      |          | <u>L</u> |          | <u> </u> | <u> </u> | <u> </u> |          | ļ        |     |               | 67       |          |          |            | L        |                 | L.       |          |                |           |
| 4         | 18       |              | _        | ļ        | ļ        | ↓_       | <u> </u> | _        | Ļ        | L        |     |               | 68       |          |          | <u> </u>   | _        | Ĺ.              | _        |          | L              |           |
|           | 19       | _            |          |          | L        | _        |          | _        | <u> </u> | L        |     |               | 69       |          |          |            |          |                 |          |          |                |           |
| _         | 20       |              |          |          |          |          | L.       | _        | <u> </u> | L        |     |               | 70       |          |          |            |          |                 |          |          |                |           |
| _         | 21       |              |          |          | L        | _        | L        |          |          |          |     |               | 71       |          |          |            |          |                 |          | l        |                |           |
| _         | 22       |              |          |          |          | _        | L.       | _        |          |          | ] . |               | 72       |          |          |            |          |                 |          |          |                |           |
| _         | 23       | $\Box$       |          |          |          |          |          |          |          |          |     |               | 73       |          |          |            |          |                 |          |          |                |           |
| _         | 24       |              |          |          |          | L        |          |          |          |          |     |               | 74       |          |          |            |          |                 | Ī        |          |                |           |
|           | 25       |              |          |          |          |          |          |          |          |          |     |               | 75       |          |          |            |          |                 |          |          |                |           |
| _         | 26       |              |          |          |          |          |          |          |          |          |     |               | 76       |          |          |            |          |                 |          |          |                |           |
| $\perp$   | 27       |              |          |          |          |          |          |          | Г        |          | Ιİ  |               | 77       |          |          |            |          |                 |          |          | Γ              |           |
|           | 28       |              |          |          |          |          |          |          |          |          |     |               | 78       |          |          |            |          |                 |          | Г        |                |           |
|           | 29       |              |          |          |          |          |          |          |          |          |     |               | 79       |          |          |            |          | -               |          |          |                |           |
|           | 30       |              |          |          |          |          |          |          |          |          | li  |               | 80       | $\neg$   |          |            |          | T               |          |          |                | $\exists$ |
|           | 31       | $\Box$       |          |          |          |          |          |          |          |          |     |               | 81       | 7        |          |            |          |                 |          |          | Г              | _         |
|           | 32       |              |          |          |          |          |          |          |          |          |     |               | 82       | 寸        |          |            |          |                 |          |          |                | $\dashv$  |
|           | 33       |              |          |          |          |          |          |          |          |          | Ì   |               | 83       |          |          |            |          |                 |          |          |                | T         |
| Т         | 34       |              |          |          |          |          |          |          |          |          |     |               | 84       |          |          |            | _        |                 | <u> </u> | _        |                |           |
| T         | 35       |              |          |          |          |          |          |          |          |          |     |               | 85       | $\neg$   | _        |            |          |                 |          |          |                | $\dashv$  |
| П         | 36       | 7            | ヿ        |          |          |          |          |          |          |          | l   |               | 86       | $\dashv$ |          |            | _        |                 |          |          | _              |           |
| T         | 37       |              |          |          |          |          |          |          |          |          |     |               | 87       |          |          |            |          | _               |          |          |                | $\dashv$  |
|           | 38       | T            | $\neg$   |          |          |          |          | _        |          |          | ı   |               | 88       | $\neg$   | $\neg$   |            |          |                 |          | $\dashv$ |                | ㅓ         |
|           | 39       |              |          |          |          |          |          |          |          |          | ı   |               | 89       | +        | $\dashv$ |            | _        |                 |          |          | $\dashv$       | -         |
| $\neg$    | 40       |              | ヿ        |          |          |          |          |          |          |          | ŀ   | -+            | 90       |          |          |            |          | _               |          | _        | $\dashv$       |           |
| 7         | 41       | 寸            |          |          |          |          |          |          |          |          | ŀ   | $\dashv$      | 91       | -        | $\dashv$ | -          |          |                 | -        |          | $\dashv$       | _         |
| _†        | 42       | $\dashv$     | $\dashv$ | _        | _        |          |          |          | $\dashv$ |          | ŀ   | -             | 92       | $\dashv$ | -        | $\dashv$   |          |                 |          |          | $\dashv$       |           |
| $\top$    | 43       | $\dashv$     | 寸        |          |          |          | _        |          | $\dashv$ |          | ŀ   | $\rightarrow$ | 93       | -+       | -        |            |          | _               |          |          |                |           |
| $\dagger$ | 44       | $\dashv$     |          | _        | $\dashv$ |          |          | $\dashv$ |          | $\dashv$ | - } | $\rightarrow$ | 94       | +        | +        | -          | -        |                 | -        |          | $\dashv$       | $\dashv$  |
| $\top$    | 45       | $\dashv$     | _        | $\dashv$ | $\neg$   | -        | $\dashv$ | $\dashv$ | -        | $\dashv$ | -   |               | 95       | -+-      |          | $\dashv$   |          | -               | -        |          |                |           |
| $\dagger$ | 46       | $\dashv$     | $\dashv$ | $\dashv$ |          | $\dashv$ |          |          |          |          | -   |               | 96       | $\dashv$ | $\dashv$ | $\dashv$   | $\dashv$ |                 | -        | $\dashv$ | $\dashv$       |           |
| +         | 47       | $\dashv$     | $\dashv$ | $\dashv$ | -        |          |          | $\dashv$ | $\dashv$ |          | - } | -             | 97       | +        | -        | -          |          |                 | -+       |          |                | $\dashv$  |
| +         | 48       | $\dashv$     | $\dashv$ | -        |          | $\dashv$ |          | $\dashv$ |          | $\dashv$ | H   |               | 98       |          | $\dashv$ | $\dashv$   |          |                 | -        |          | $\dashv$       |           |
|           | 49       | +            | $\dashv$ | $\dashv$ |          |          | $\dashv$ | $\dashv$ | $\dashv$ | ᅱ        | -   | -             | 99       | $\dashv$ | +        | $\dashv$   | -1       | -               |          |          |                | $\dashv$  |
|           | 50       | +            | $\dashv$ | $\dashv$ | $\dashv$ | -        |          |          | $\dashv$ | $\dashv$ | -   |               |          | +        | +        | $\dashv$   | $\dashv$ |                 | $\dashv$ |          | $\dashv$       |           |
|           | <u> </u> |              |          |          |          |          |          |          |          |          | L   |               | 100      |          |          |            |          | l               |          |          |                |           |

|  |                   | Date     |                |          |              |              |  |          |          |              |  |
|--|-------------------|----------|----------------|----------|--------------|--------------|--|----------|----------|--------------|--|
| CI   | aim               | ╄        | _              | -        | _            | Da           | ite  | _        |          | _            |  |
| Final  | Original          |          |                |          |              |              | i  |          |          |              |  |
|  | 101               | T        | 1              | Т        |              |              |  |          |          |              |  |
|  | 102               | П        | T              | T        | 7            | T            | 1  |          | 1        | T            |  |
|  | 103               |          | T              |          | Т            | Т            | T  |          | 1        | Т            |  |
|  | 104               |          |                |          |              |              |  |          |          |              |  |
|  | 105               |          |                |          |              | Г            |  |          |          |              |  |
|  | 106               |          | L              |          |              |              |  |          |          |              |  |
|  | 107               |          |                |          | $\perp$      |              |  |          |          |              |  |
| ļi   | 108               | <u></u>  |                | 1_       | ┸            | $\perp$      |  |          |          | $\perp$      |  |
|  | 109               | <u> </u> | ┺              | 4        | ┺            | $\perp$      |  | _        | $\perp$  |              |  |
|  | 110               | _        | ╙              | ↓_       | <u> </u>     | 1            | _  |          |          | <u>.</u>     |  |
|  | 111               | L        | L              | 1        | $\perp$      | 1_           | $\perp$  | 1        | ┸        | <u> </u>     |  |
|  | 112               | ļ        | ╄              | 1        | _            | 4_           |  | _        | $\perp$  | _            |  |
|  | 113               | <u> </u> | ╙              | ↓_       | _            | 4_           |  | 1        |          | _            |  |
|  | 114               |          | L              | -        | 1            | ↓_           | 1  | 4_       | ↓        | _            |  |
|  | 115               | _        | ╄-             | ╁        | ↓_           | -            | ļ  | 1        | ↓_       | -            |  |
|  | 116               | <u> </u> | ╁              | ╀        | ╀            |              |  | 1        | -        | 1            |  |
|  | 117               | _        | <u></u>        | ╁_       | ╁            | +            | $\perp$  | 1        | ļ        | ↓_           |  |
|  | 118               |          | ╀              | +        | ╁            | +-           | $\perp$  | 1_       | ┶        |              |  |
|  | 119               | <u> </u> | $\vdash$       | ļ        | -            | ╄            | +  | +-       | ╄        | <b>↓</b> _   |  |
|  | 120               | ļ        | <del> </del> — | ┼        | _            | -            | +  | +        | ╀        | ↓_           |  |
| <del>                                     </del> | 121<br>122        | _        | ⊢              | -        | ┼-           | +            | -  | $\vdash$ | 4        | $\vdash$     |  |
|  | 122               |          | H              | ╁        | -            | +            | -  | ╄        | -        | -            |  |
|  | 123<br>124        |          | ┝              | ╁        | ╀            | ╀            | ╂  | ╁        | -        | ╄            |  |
|  | 125               | -        | $\vdash$       | +        | ╫            | ╁┈           | +  | +-       | ╁        | i –          |  |
|  | 126               | _        | ┢              | ╁╌       | -            | +            | +  | +-       | +        | ┼—           |  |
| -  | 127               | -        | ┢              | ╁…       | <del> </del> | ╁            | ╁  | 1-       | ╁        | ╀            |  |
|  | 126<br>127<br>128 | -        | -              | $\vdash$ | $\vdash$     | ╁┈           | +  | ╁        | ╁        | <del> </del> |  |
|  | 129               |          |                | $\vdash$ | $\vdash$     | $\vdash$     | +  | +-       | $\vdash$ |              |  |
|  | 129<br>130        |          | -              | ╁        | t            | $\vdash$     | 1-   | ╁╌       | t-       | -            |  |
|  | 131               |          |                | 1        | $\vdash$     | 1            | ┢  | +        | t –      | $\vdash$     |  |
|  | 132               |          | <u> </u>       | T        | t            |              |  | $\vdash$ | 一        | 1            |  |
|  | 133               |          |                | $\top$   | †            | T            | <u>†                                      </u> | t        | $t^-$    | <del> </del> |  |
|  | 134               |          |                | 1        |              | 1            |  |          | 1        |              |  |
|  | 135               |          |                |          |              |              | T  |          |          |              |  |
|  | 136               |          |                |          |              |              |  | 1        |          |              |  |
|  | 137<br>138        |          |                |          |              |              |  |          |          |              |  |
|  | 138               |          |                |          |              |              |  |          |          |              |  |
|  | 139               |          |                |          | L_           | <u> </u>     |  |          |          |              |  |
|  | 140               |          |                | <u> </u> | L            | L            |  |          | <u>_</u> |              |  |
|  | 141               |          |                | L_       |              | L            |  | <u> </u> | <u>_</u> |              |  |
|  | 142               |          |                |          | <b> </b>     | <u> </u>     | <b>!</b> _                                     | _        | _        |              |  |
|  | 143               |          |                |          | <u> </u>     | <u> </u>     | _  | L        | <u> </u> |              |  |
|  | 144               | _        |                | <u> </u> | _            | _            | <b>⊢</b> _                                     | <u> </u> | <u> </u> |              |  |
|  | 145               | -        | _              | <u> </u> | <u> </u>     | _            | <u> </u>                                       |          | <u> </u> | Ш            |  |
| $\dashv$   | 146               | -        |                | -        | _            | -            | <del> </del>                                   | <u> </u> | <u> </u> |              |  |
|  | 147               |          |                | <u> </u> | -            | -            | -  | _        | L        |              |  |
|  | 148<br>149        |          |                |          | _            | <del> </del> | ├  |          |          |              |  |
| -+   |                   | $\dashv$ | _              |          |              | _            | <del> </del>                                   | -        | _        | $\dashv$     |  |
|  | 150               | $\perp$  |                |          |              | L            | L  | L.,      |          |              |  |